

#04-06-04-015A: LN2, L43 or L35 Engine SES/MIL Light Illuminated, AIR Pump Ingesting Water and DTC P0410 Set (Replace AIR Pump and Inlet Hose Assembly) - (Nov 28, 2006)

Subject: LN2, L43 or L35 Engine SES/MIL Light Illuminated, AIR Pump Ingesting Water and DTC P0410 Set (Replace AIR Pump and Inlet Hose Assembly)



Models: 1999-2003 Chevrolet Blazer, S10
1999-2001 GMC Jimmy
1999-2003 GMC Sonoma
1999-2001 Oldsmobile Bravada
with Vortec 2.2L I4 or 4.3L V6 Engine (VINs 4, 5, W -- RPOs LN2, L43, L35)

This bulletin is being revised to remove a part number and change the two AIR pump part numbers in the Parts Information. Please discard Corporate Bulletin Number 04-06-04-015 (Section 06 -- Engine/Propulsion System).

Condition

Some customers may comment on the SES/MIL light being illuminated. Upon investigation, the technician may find a DTC P0410 indicating that there is a concern in the secondary air injection system.

Cause

Water may have collected in the AIR pump or the vent solenoid and frozen or corroded the pump.

Correction

Replace the AIR pump and install a new inlet hose and solenoid tube assembly using the following procedure:

1. Raise the vehicle on a hoist.
2. Remove the shield covering the AIR pump.
3. Remove the hose and vacuum lines from the pump and solenoid.
4. Remove the AIR pump inlet hose. Do not re-use the hose.
5. Disconnect the electrical connectors from the pump and solenoid.
6. Remove the pump mounting bolts and pump.
7. Transfer the isolators from the old pump to the new pump.
8. Install the new AIR pump and bolts to the vehicle.

Tighten

Tighten the bolts to 17 N·m (12.5 lb ft).

9. Route the new hose assembly up between the engine and fender. The hose should come up near the area between the battery and the coolant bottle.
10. Connect the new inlet hose to the pump inlet.
11. Connect the old outlet hose to the pump outlet.
12. Connect the electrical connector to the pump.
13. Connect the electrical connector for the solenoid to the connector on the new hose assembly.
14. Connect the hose with the white nipple to the vacuum source hose.
15. Connect the remaining hose to the shut off valve.
16. Install the shield covering the AIR pump.
17. Lower the vehicle.
18. Remove the coolant reservoir nut nearest the battery.
19. Route the new hose assembly between the battery and the coolant reservoir with the solenoid on top.
20. Install the solenoid bracket onto the coolant reservoir stud and reinstall the nut back into the vehicle.
21. Use a wire tie to keep the new hose assembly away from the engine. On four cylinder engines, tie to the AIR outlet hose. On six cylinder engines, tie to an available hole in the radiator fan shroud.

Parts Information

Part Number	Description	Qty
17803251	Pump Kit, Secondary Air Injection 2001 L35 2000-2003 L43/LN2	1
17803252	Pump Kit, Secondary Air Injection 1999-2000 L35	1

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
J6050	Pump, Secondary Air Injection - Replace	Use Published Labor Operation Time

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.